

ENGINEERING CHECKS MCM 1 CLASS

AUXILIARIES (AX) PRE-UNDERWAY PHASE

Component/Sub-Component	5811	ANCHOR	WINDLASS (Inport	Drop Test)
Inspect Tech Manual Support Inspect PMS Support Inspect posted operating/safety instructions and lubrication data Inspect fluid samples Inspect for proper HPU fluid levels Inspect for proper lubrication of mechanical components Inspect Gauge Calibration Inspect relief valve data is properly posted Inspect all flex hoses are properly tested and labeled Inspect mechanical brake operator linkages Inspect stroke control linkages Inspect flange shields Inspect for adequate nitrogen charge for windlass Inspect speed limiter Inspect adequate LP air pressure for chain compressor Inspect capstan/wildcat brake assembly — mechanical brake components (worm gear end cap as required). Inspect electric brake Inspect filter differential indications Inspect HPU mechanical seal leakage Test Compensating Relief Valve is properly set - Inspect Servo/Replenishment Pressures during wildcat operation - Inspect Chain Compressor operation - Inspect reduction gear lubrication (gauges/sight flows/dipsticks)	Component/Sub-Com	ponent	Proposed	Accepted
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(gauges/sight flows/dipsticks)	<u>.</u>			
	Test crossover valve operation			

Test wildcat/windlass solenoid switch	
Test Main Relief Valve lifts correctly	

5600 / 5611	STEERING (In	nport System Ver	rification)
Component/Sub-C	omponent	Proposed Procedure	Accepted Procedure
Inspect Tech Manual and EOS	S Support		
Inspect PMS Support			
Inspect operating/safety instruc			
system/electrical wiring diagram	ms are posted		
Inspect proper fluid levels			
Inspect hydraulic oil fill connec	ctions are properly		
labeled			
Inspect fluid samples			
Inspect Gauge Calibration			
Inspect rudder stock grounding	straps		
Inspect filter indicators			
Inspect Servo/Replenishment P			
Inspect all flex hoses are prope			
Inspect flange shields are prope	erly installed		
Test N2 accumulators are property	erly charged		
Test the trick wheel stops			
Inspect the crush block clearan			
Test the rudder follow up error			
0 to 5 deg; 5 deg increments at	5 to 25 deg)		
Test ABT operation			
Test compensator relief valve s	ettings		
Test main relief valve settings			
Test (inport) rudder swing chec	eks		
Test (inport) blocking valve			
Test auxiliary emergency steeri	ng pump		
Test manual emergency steering system			
Inspect ram for scoring			
Test steering casualty alarm			
Test pump remote operation and transfer of controls			
to pilot house			
Test for static rudder split (pilot house in control)			
Test for indicator error (pilot he	ouse in control)		

A-002/105-11	EMERGENCY/SHII DIESEL GENE	
Component/Sub-Component	Proposed Procedure	Accepted Procedure
Inspect Engine Sump Level		
Inspect Turbocharger Sump Level		
Inspect Start Air Lubricator Oil Level		
Inspect Governor Oil Level		
Inspect Lube Oil Sample		
Inspect J/W Expansion Tank Level		
Inspect "Do not open access" and		
Expansion Tank warning "Poison" are		
posted		
Inspect/test fuel valve trip		
Inspect Relief Valves		
Inspect Flange Shielding		
Inspect For Exhaust Leaks		
Inspect Filters, Strainers		
Inspect Governor and Fuel Linkage for		
Binding		
Inspect J/W Standby Pump		
Test Blow In Damper		
Test pre-lube system operation		
Test Jacket Water High Temp Alarm		
Test Lube Oil Filter High DP Alarm		
Test low lube oil pressure alarm		
Test Remote Shut Down		
Test Local Shut Down		
Test Barring Device Interlock		
Test Engine Blow Down		
Test Local Pneumatic start		
Test dead bus auto start		
Test Overspeed Trip		
Test 80% load for 15 minutes		
Inspect for fuel/lube oil leaks		
Inspect pyrometer operation		
Inspect manometer		
Inspect sea water cooling pump		
Test high water/generator bearing temp		
alarm		

5512 / 5513 / 5515	LOW and MEDIUM	M PRESSURE A	IR SYSTEM
Component/Sub-Co	omponent	Proposed Procedure	Accepted Procedure
Inspect Tech Manual and EOSS	Support		
Inspect PMS Support			
Inspect Gauge Calibration			
Inspect operating/safety instruct	ions are posted		
Inspect compressor oil level and	l oil samples		
Test compressor pressures and t	emperatures		
Test compressor capacity control	ol system		
Inspect compressor belt condition	on		
Test compressor auto control an	d safety switches		
 a. Operational control switch 	nes (115/120/125)		
b. Low oil pressure			
c. High discharge pressure			
d. High air and water temp			
Inspect all relief valve testing is	within periodicity		
Inspect location of intake/vent s	upply		
Inspect receiver flask certification	on		
Test priority valve operation			
Inspect sea water cooling system	n		
Inspect 50/50 mixture of ethyler	ne glycol		
Test type I and type II dehydrate	or operation		
a. Gauge calibration			
b. Tower operation			
c. Purge air pressure			
d. Automatic drain operation	on		
e. Dew point			
f. Inspect PMS and Tech M	Ianual support		

5511 / 5515	HIGH PRES	SURE AIR SYS	TEM
Component/Sub-	Component	Proposed Procedure	Accepted Procedure
Inspect Tech Manual and EO	SS Support		
Inspect PMS Support			
Inspect Gauge Calibration			
Inspect operating/safety instr	uctions are posted		
Inspect compressor oil level a	and oil samples		
Test compressor auto control	and safety switches		
a. Start / Stop switch			
b. Low oil pressure switch	ch		
c. Jacket water temp swi	tch		
d. Compressor temp/pres	sure monitor operation		
Inspect compressor pressures	and temperatures		
Inspect compressor drive belt	condition		
Inspect condensate monitorin	g/drain system		
Inspect all flex hoses are proj	perly tested/labeled		
Inspect all relief valve testing	is within periodicity		
Inspect HP air flask certificat	ion		
Inspect sea water cooling sys	tem		
Inspect air intake/ventilation	supply location		
Inspect all HP/LP air reducin	g stations		
Inspect fresh water pump bel	ts		
Inspect capacity			
Inspect oil wipers			
Inspect pressure regulator val	lve		
Inspect seals for oil leaks			
Inspect 50/50 mixture of ethy	lene glycol		

5210	FIRE PUMPS (ELECTRIC and STEAM)		
Component/Sub-C	omponent	Proposed Procedure	Accepted Procedure
Inspect Tech Manual and EOS	S Support		
Inspect PMS Support			
Inspect Gauge Calibration			
Inspect Transducer Calibration			
Inspect Coupling Guard			
Inspect relief valves are within	periodicity		
Test remote start/stop functions	3		
Test local start/stop functions			
Inspect pump operation/design unusual noise, bearing temps, e			
Test the over speed trip (STEA			
Test the speed limiting governo			
Test the turbine auxiliary lube	oil pump low-pressure		
automatic start switch operation	n (STEAM)		
Inspect lube oil filter indication (STEAM)	s and oil level		
Test combination exhaust and i	relief valve (STEAM)		
Inspect the packing and mechan	nical seal leakage		
Inspect for ferrous fasteners			
Inspect the resilient mounts			
Inspect condition of expansion joints			
Inspect all flex hoses are properly tested/labeled			
Inspect piping lagging			
Inspect grounding straps			
Test remote operated suction/d	ischarge valves		·
Inspect the suction strainer			

5240	SEAWATER SERVICE PUMPS		MPS
Component/Sub-Component		Proposed	Accepted
		Procedure	Procedure
Inspect Tech Manual and EOSS	Support		
Inspect PMS Support			
Inspect Gauge Calibration			
Inspect Transducer Calibration			
Inspect Coupling Guard			
Test remote start/stop functions			
Test local start/stop functions			
Inspect pump operation/design	discharge pressure,		
unusual noise, bearing temps, e			
Inspect packing and mechanical	seal leakage		
Inspect for ferrous fasteners			
Inspect foundation and resilient	mounts		
Inspect condition of expansion	joints		
Inspect all flex hoses are proper	ly tested/labeled		
Inspect piping lagging			
Inspect grounding straps			
Test remote operated suction/discharge valves			
Inspect the suction strainer			
Test the firemain to seawater reducing station			
operation, condition and relief v	alve test periodicity		

5140	AIR CONDITIONING PLANTS		
Component/Sub-Component		Proposed	Accepted
		Procedure	Procedure
Inspect EPA certifications			
Inspect Tech Manual and EO	SS Support		

Inspect PMS Support	
Inspect Gauge Calibration	
Inspect operating/safety instructions are posted	
Inspect compressor oil level and oil samples	
Inspect warning at entrance (Freon usage) posted	
Inspect Refrigerant logs	
Test halocarbon monitor operation	
Test capacity control system operation	
Test calibration of safety shutdowns/alarms	
a. HP/LP pressure switches	
b. C/W, S/W flow/press/temp switches	
c. Low refrigerant temp switch	
d. Low oil pressure switch	
Inspect moisture indicators	
Test compressor operation (parameters, suct/disch	
valves)	
Test for leaks (oil/freon/water)	
Inspect chilled water pump	
a. suction valve	
b. discharge valve	
c. mechanical seal	
Inspect chilled water expansion tank	
a. Proper operating level	
 Filling pipe air gap 	
c. Relief valves and vacuum breakers	
d. Hose disconnects and warning sign	
Test PPU	
Inspect recovery unit (Inventory Item)	
Inspect for available vacuum pump	
Inspect sea water system	
a. Pump operation	
b. Zincs and nylon tube inserts present	
c. Condenser header condition	
d. Seawater Regulating valve	
Inspect motor controller	
Inspect coupling guard	
Inspect resilient mounts	
Inspect flex hoses	

AUXILIARIES (AX) UNDERWAY DEMO PHASE

5811	ANCHOR WI	INDLASS DROP AND DEMONSTRATION	
Component/Sub-Con	nponent	Proposed	Accepted
		Procedure	Procedure
Test – Conduct Anchor Drop a	and Retrieval		
test			
- Inspect Servo/Replenishmen	t and Main		
Relief Pressures during wildca	t operation		
- Inspect Anchor drops from tl	ne hawsepipe		_

5600 / 5611	STEERING	G DEMONSTRA	TION
Component/Sub-C	omponent	Proposed	Accepted
		Procedure	Procedure
Inspect proper fluid levels			
Inspect correct Servo/Replenish	nment pressures		
Test – Demonstrate timed rudde	er swing checks/		
blocking valve test Ahead (as j	per provided		
procedure)			
Test - Demonstrate timed rudd	er swing checks/		
blocking valve test Astern (as per provided			
procedure)			
Inspect for dynamic rudder spli	t from helm indicator		

5331	WATER HEATERS		
Component/Sub-	-Component	Proposed	Accepted
		Procedure	Procedure
Inspect Tech Manual and EO	SS Support		
Inspect PMS Support			
Inspect list of heaters onboar	d and spaces hot water		
services (berthing/laundry/ga	lley)		
Inspect gauge calibration			
Inspect outlet temp at heater	(verify operation)		
Inspect relief valve test data			
Inspect relief valve drain piping			
Inspect cold water inlet pipe	for check valve		
Test high temp switch setting			
Test high temp switch warning	ng light		
Inspect lagging condition			
Inspect for steam / water leaks			
Inspect Temp Reg Valve for locking device			
Inspect heater foundation		•	•
Test water temp at basin/spig	ot	·	-

5331	5331 POTABLE WATER PUMPS		MPS
Component/Sub-Comp	ponent	Proposed	Accepted
		Procedure	Procedure
Inspect Tech Manual and EOSS Su	ipport		
Inspect PMS Support			
Inspect Gauge Calibration			
Inspect Transducer Calibration			
Inspect Coupling Guard			
Test local start/stop functions			
Inspect pump operation/design disc	charge pressure,		
unusual noise, bearing temps, etc.			
Inspect packing and mechanical seal leakage			
Inspect for ferrous fasteners			
Inspect foundation and resilient mounts			
Inspect all flex hoses are properly tested/labeled			
Inspect grounding straps		<u>-</u>	

5315		TER PRODUCT ATION – REVE	,
Component/Sub-Compon	ent	Proposed Procedure	Accepted Procedure
Inspect Tech Manual Support			
Inspect PMS Support			
Inspect relief valves are within period	icity		
Inspect HP pump oil level			
Inspect flexible hose condition and tes	st tag		
Test salinity dump valves			
Test salinity panel			
Inspect Accumulator Pressure			
Test the operation of the product and l	brine		
flowmeters			
Test - Demonstrate 80% water produc	tion capability		
during the 4 Hour Water Production I			
- Inspect RO to ensure the unit has no			
produce above maximum recommende			
(discharge pressure setting, production			
· · · · · · · · · · · · · · · · · · ·	injection temperature diagram curve and tables)		
- Inspect the operating panel for alarm / unusual			
conditions.			
- Inspect 3 and 20 micron filter differential pressure			
- Inspect all fittings and connections for leaks			
- Inspect demineralizer operation			
Inspect freshwater flush			

5311	WATER PRODUC FLAS	CTION DEMON SH TYPE EVAP	
Component/Sub-Co	mponent	Proposed Procedure	Accepted Procedure
Inspect PMS and Tech Manual s	upport		
Inspect gauge calibration			
Test flow meter			
Inspect evaporator shell (sight gland scale buildup)	lasses, diffuser cap		
Test salinity dump valves			
Test interlock device between powater valves	otable water and feed		
Inspect feed pump (labeled, pack	king gland,		
foundation, seal / gland cavity)			
Inspect brine pump (labeled, packing gland,			
foundation, seal / gland cavity)			
Inspect distillate pump (labeled, packing gland, foundation, seal / gland cavity)			
Inspect brine pump (labeled, packing gland, foundation, seal / gland cavity)			
Inspect heater drain pump (labeled, packing gland, foundation, seal / gland cavity)			
Inspect flexible hose condition and test tag			
Inspect feedwater strainer (foundation and basket)			
Inspect pipe labeling and lagging	g condition		-
Test - Demonstrate 80% water production capability during the 4 Hour Water Production Demonstration			

8543	DUMBWAITER		
Component/Sub-Comp	onent	Proposed	Accepted
		Procedure	Procedure
Inspect Tech Manual and EOSS Su	pport		
Inspect PMS Support			
Inspect posted operating/safety inst	ructions at each		
station			
Inspect posted lubrication chart at to	op station		
Inspect trunk bi-parting doors			
Inspect machinery access cover bol	ts & nuts		
Inspect machinery oil level			
Inspect hoist machinery mounting h	ardware		
Inspect hoist drum			
Inspect hoist wire rope and end fitti	ngs		
Test slack rope device and limit swi	itch		
Test the hoist brake			
Test the up over travel limit switch			
Test the up deck level limit switch			
Test trunk bi-parting door limit swi	tch		
Inspect car broken rope device			
Inspect car bi-parting door assembly	y		
Inspect car for missing components			
Test lower level trunk bi-parting do	ors and limit		
switch			
Test down over travel limit switch			
Test down level limit switch			
Inspect trunk buffer springs			
Test E-call and sound powered pho	ne system when		
installed			
Inspect clean out cover mounting hardware			
Inspect motor controller for loose leads, posted			
placards, grounds and correct fuses			
Inspect dumbwaiter trunk for preservation and			
cleanliness			
L			
Inspect guide rails			1
Test each control station E-stop button			

8543	PAG		CKAGE CONVEYOR	
Component/Sub-Compone	nt	Proposed	Accepted	
* *		Procedure	Procedure	
Inspect Tech Manual and EOSS Suppo	rt			
Inspect PMS Support				
Inspect posted operating/safety instruct	ions (two man			
rule/ do not ride) at each station				
Inspect posted lubrication chart at top s	station			
Test for audible warning when starting	conveyor			
Inspect that all station doors are locked				
Inspect that all station controllers are lo	ocked			
Test door interlock system				
Inspect load/unloader at each station				
Test door cannot close when loader/unl	loader is in			
horizontal or 30 deg inclined position				
Test loader/unloader down interlock sw	vitch at each			
station below upper most level				
Test jam limit switch at each station				
Inspect safety shields are properly insta	ılled			
Test up-over travel switch/device opera	ation			
Test clean out door interlock switch if a	applicable			
Test down overtravel device and switch	1			
Test indexing feature				
Test E-stop and run/stop buttons at all s	stations			
Inspect proper florescent lighting at each	ch station			
Inspect trunk shielding and mounting h	ardware			
Inspect trunk guide rails				
Inspect conveyor trunk for preservation	n/cleanliness			
Inspect all carrier trays are installed and	d tight			
Test all station growlers and phone circ	cuits are			
functional and headsets are present				
Inspect conveyor has been load tested v	within the last			
five years to include weight test data				
Inspect speed reducer is filled to proper level with oil				
Inspect drive, driven and carrier chains are properly				
tensioned				
Test bite panel for correct components and proper				
operation				
	Inspect motor controller for loose leads, posted			
placards, grounds and correct fuses				
-	Inspect drive machinery for missing/loose			
components				

5161	5161 REFRIGERATION PLANTS		ANTS
Components/Sub-Con	nponents	Proposed Procedure	Accepted Procedure
Inspect EPA certifications			
Inspect Tech Manual and EOSS S	Support		
Inspect PMS Support			
Inspect Gauge Calibration			
Inspect operating/safety instruction	ons are posted		
Inspect compressor oil level and	oil samples		
Inspect warning at entrance (Free	on usage) posted		
Inspect Refrigerant logs	-		
Test halocarbon monitor opera	tion		
Test capacity control system oper	ration (vent plug)		
Test calibration of alarm / shutdo	wns		
a. HP / LP pressure switches			
b. Sea water flow / pressure	switch		
Test compressor operation (param	neters,		
suction/discharge valves)			
Inspect for piping suppressors			
Inspect for leaks (oil/freon/sea wa	ater)		
Inspect refrigerant recovery syste	m/vacuum pumps		
Inspect sea water system (pump operation, zincs,			
nylon tube inserts, and condenser header)			
Test chill/freezer boxes for fan operation, lighting,			
coil condition and curtains	coil condition and curtains		
-	Inspect ventilation (flow/location/indicators and		
alarms			

6641	FAN ROOMS		
Component/Sub-Cor	Component/Sub-Component		Accepted Procedure
Inspect deck condition			
- No standing water			
- Deck rusted / exfoliated			
- Deck drain not installed			
- Deck drain missing, not secured or inoperative	l within deck socket		
Inspect deck/bulkheads have no p	painted over rust		
Inspect lighting is operative and of			
Inspect adequate lighting present			
Inspect vent duct condition	т врисе		
- Access covers present			
- Access cover fasteners not ruste	ed/missing		
- Duct interior is clean	C		
Inspect correct vent/piping system	n labeling		
Inspect fan motor installed correct	etly (flow)		
Inspect filters are clean and can b	e easily removed		
Inspect filter DP gauge is operati	ve		
Inspect vent heating element is of deteriorated	perative and not		
Inspect cooling coils are clean			
Inspect thermostatic controls are connected and operational	calibrated,		
Inspect the cooling coil drain is p	iped to the deck		
drain and is not clogged	c · ·		
Inspect the proper color coding o			
Inspect that all hand wheels are p			
Inspect for damaged / missing lag			
Test the C/W or steam solenoids	1		
Inspect for chilled water / steam 1			
Inspect for bull's eye and CCOL in space			
Inspect for any unauthorized stov			
Inspect for any unauthorized flan	nmables		
Inspect the filter cleaning shop			

ELECTRICAL (EL) PRE-UNDERWAY PHASE MCM 1

3112	SHIPS SERVICE DIESEL GENERATORS		
COMPONENT/SYSTEM		PROPOSED PROCEDURE	
Test Reverse Po	wer Relays	S-2R	
Test Manual Loa	ad Shedding	TECHNICAL MANUAL	
Test Parallel Op	eration (Auto)	EOP	
	400 HERTZ MOTOR GE	NERATOR SETS	
CO	COMPONENT/SYSTEM PROPOSED PROCEDURE		
Test Split and Parallel Operation		IAW EOP / CSOSS	
4221 TELL-TALE PANEL/NAVIGATION SIGNAL LIGHT PANEL		N SIGNAL LIGHT PANEL	
COMPONENT/SYSTEM		PROPOSED PROCEDURE	
Test navigation	al lighting panel.	R-2	
Measure Insulation Resistance Of Signal light panel.		S-1	
Measure insulati	on resistance of electrical circuits	S-1	
4331	4331 ANNOUNCING SYSTEMS		
COMPONENT/SYSTEM		PROPOSED PROCEDURE	
Test General, Chemical, and Collision Alarms from all stations		R-1	
Test 1MC from	all stations	R-1	
Measure speaker	group insulation resistance	A-1	

4751	DEGAUSSING SYSTEM	
COMPONENT/SYSTEM		PROPOSED PROCEDURE
Conduct Linea	arity Test	Q-2R/Q-3R
Conduct Grou	nd Test	S-2
Inspect Degau	ssing Folder	NAVSEA TECH MANUAL
3202	AUTOMATIC BUS TRAN	SFER EQUIPMENT
	COMPONENT/SYSTEM	PROPOSED PROCEDURE
Test all Engin	eering ABT's.	R-3
Test All remai	ning ABTs. (Day 2)	Q-1
4371 SALINITY INDICA		TING SYSTEM
COMPONENT/SYSTEM		PROPOSED PROCEDURE
Test dump valve operation		S-5, S-6, S-8, S-10, S-15, S-17
Test alarm sett	tings	S-5, S-6, S-8, S-10, S-15, S-17
4373	WIND INDICATIN	NG SYSTEMS
(COMPONENT/SYSTEM	PROPOSED PROCEDURE
Test system fo	or proper operation	R-1M
5081	5081 THERMAL IMAGING SURVEY	
COMPONENT/SYSTEM		PROPOSED PROCEDURE
Commence Thermal Imaging Throughout The Ship NOTE: Any equipment surveyed that has a temperature rise of 40 degrees centigrade or above (3 or 4 star) must be repaired or tagged out prior to getting underway. The items will not be available until repairs are completed and re-shot for verification		R-1/R-2

ELECTRICAL (EL) UNDERWAY PHASE

NOTE: Electrical Underway Checks Consist Mainly Of Space Walk-Through Throughout The Ship.

In each space inspect the following if applicable:

(INSPECT) FUSE BOXES

· · · · · · · · · · · · · · · · · · ·	
COMPONENT/SYSTEM	PROPOSED PROCEDURE
Are fuses pulled from designated circuits without danger tags affixed?	NSTM 300 - 2.4.1
Are there loose or missing locking nuts or gear adrift?	NSTM 300 – 4.8.1
Are circuits properly labeled for easy identification?	GSO 305E
Are there any bent, twisted, misaligned, or broken fuse clips?	NSTM 300 4.8.1
Is the interior rusty or dirty?	NSTM 300 – 4.8.1/5.2.4
Are fuses of the correct amperage and voltage	GSO 303F
installed?	NSTM 320 – 1.7.4
Are circuits fed from one set of fuses (except battle lantern circuits) multiple?	GSO 331C
Are fuse clips phosphor-bronze instead of silver plated?	NSTM 300 – 4.8.1.2
Were door hinges broken?	5100.19 SERIES NSTM 300
Are non-silver ferruled fuses installed?	NSTM 300 - 2.5.4
Are circuits over fused?	NSTM 300 – 2.5.4
Is clearance provided to permit complete accessibility for maintenance, repair, renewal of fuses, and testing?	GS0 300D

(INSPECT) BATTLE LANTERNS

COMPONENT/SYSTEM	PROPOSED PROCEDURE
Were relay-operated lanterns installed in sufficient number?	NSTM 330 – 1.6.4.3.3.1
Are lanterns installed with suitable bracket assemblies to prevent removal of lantern?	NAVSEA 0964-000-2000 NSTM 300
Were lanterns inoperative?	NSTM 330 – 3.6.2
Were test switches and relay frames grounded?	NSTM 330 – 2.1.8

(INSPECT) BATTLE LANTERNS (CON'T)		
COMPONENT/SYSTEM	PROPOSED PROCEDURE	
Were lanterns located in explosion proof enclosures (prohibit)?	NSTM 330 – 1.6.4.3.2.2	
Were NEALS lanterns installed and were they charged (red indicator)?	NSTM 330 – 1.6.4.3.2	
Were relay operated lanterns fused?	NSTM 330 – 1.6.4.3.3.3	
(INSPECT / TEST) SHORE POV	WER SYSTEM	
COMPONENT/SYSTEM	PROPOSED PROCEDURE	
Is shore power being properly rigged?	NSTM 320-2.2.7	
Did shore power shunt trip interlocks trip its	IAW PMS	
associated breakers when tested?	IAW EOSS	
	GSO 320D	
Was shore power system cabling between the	SPRU	
receptacles and the ship's switchboard insulation	NSTM 300/320	
resistance within EOSS or PMS Limits		
Were shore power indicating lights operative, white in color, and all screws installed?	NSTM 320 – 2.2.9	
Were warning signs posted?	GSO 070H	
Was there pigtail stowage installed?	GSO 320D	
Does the shore power system meet the current	GSO 320D	
standards:		
 Have a Viking Connector System 		
 Have AQB-LF400 Amp Circuit Breaker 		
with shunt trip		
- Have a phase sequencing and phase		
orientation devices.		
- Have installed ammeter and selector switch		
to monitor total shore power current.		

(INSPECT) CATHODIC PROTECTION SYSTEM			
COMPONENT/SYSTEM	PROPOSED PROCEDURE		
Was the installed Cathodic Protection System operative and adjusted	GSO 633C		
Were the rudder grounding straps made of 1-1/2 inch	NSTM 633 – 3.3.2.7		
wide braided copper and brazed to the rudder stock and the hull?	GSO 633C		
Has the system been turned off greater than 15 days?	GSO 633G		
Was brush rigging correctly installed?	NSTM 633- 3.3.2.6		
Were shaft grounding brushes correctly installed?	NSTM 633		
	ICCP Tech Manual		
Did shaft grounding brushes exhibit full contact with	NSTM 633 – 3.3.2.6		
the slip ring?	ICCP TECH MANUAL		
(INSPECT / TEST) ALARM S	SYSTEMS		
COMPONENT/SYSTEM	PROPOSED PROCEDURE		
Test alarm switchboards and panels.	4351/Q-2		
Were any alarm and warning systems inoperative or missing parts?	GSO 433J		
(INSPECT) ORDER/INDICATING/ME	TERING SYSTEMS		
COMPONENT/SYSTEM	PROPOSED PROCEDURE		
Were Tank Level Indicators (TLI's) out of calibration or inoperative?	GSO 437 E		
Were valve position indicator circuits misadjusted or inoperative?	GSO 430H		
Were there missing or inoperative salinity cells?	GSO 531B		
	IAW PMS		
MOTOR CONTROLLE	ERS		
COMPONENT/SYSTEM	PROPOSED PROCEDURE		
Were interiors dirty, rusty, deteriorated, or contained	NSTM 302-3.3.2		
gear adrift?	GSO 320F		
Were wiring diagrams, schematics or overload heater tables missing?	NSTM 302-3.3.1		

MOTOR CONTROLLERS (CON'T)			
COMPONENT/SYSTEM	PROPOSED PROCEDURE		
Was controller electrical wiring properly banded?	ELECT PLT. INST. STD METHODS/GSO 302F		
Were Start, Stop, "Emergency Run" or Reset buttons seized, missing or inoperative?	3001/S-1/18M-1		
Were rubber boots cracked, torn or missing?	NSTM 300-3.2.2 3001/S-1/18M-1		
Were overload relay heaters properly sized and adjusted to provide adequate protection for the motor?	NSTM 302-3.3.2 GSO 302G		
Were switches protected against inadvertent activation?	GSO 070H		
Were controllers with multiple power sources properly labeled?	GSO 305C		
Were motor foundations properly preserved?	GSO 631J		
Were controllers and remote operating stations properly labeled?	GSO 305C		
Is clearance provided to permit complete accessibility for operation, maintenance, repair, renewal of fuses, and testing?	GSO 300D		
WORKBENCHES			
COMPONENT/SYSTEM	PROPOSED PROCEDURE		
- Does the workbench conform to standards set forth in NSTM 300 APP H? (Insulation, ground straps, disconnect switches, labeling, ground connections, etc)	NSTM 300 GSO 320E GSO 665 GSO 650		
(INSPECT) ELECTRICAL SAFETY			
COMPONENT/SYSTEM	PROPOSED PROCEDURE		
Were flat irons a high-grade commercial type with a three pronged cord?	NSTM 300-2.7.3.6 GSO 640G		

Were Ironing Board Stations in berthing space modified to remove spotlight and fill the access hole? Ensure irons are not hardwired.	GSO 640G	
(INSPECT) ELECTRICAL SAF	ETY (CON'T)	
COMPONENT/SYSTEM	PROPOSED PROCEDURE	
Have shorting probes been modified by installing a nylon screw in the end of the probe and soldering the clip to the conductor?	NAVELEX 0101, 110A FIG 1- 3 IAW PMS	
Are portable tools/devices not stamped "Double Insulated" or equipped with a three pronged cord?	NSTM 300-2.7.3.3 IAW PMS	
Were Hospital grade plugs used on portable equipment?	NSTM 300-2.7.3.2.8	
Were light fixtures, guards, and covers securely mounted?	NSTM 300-4.3.3	
Were over-sized lamps installed in lighting fixtures?	NSTM 330-2.2.4 NSTM 330-2.2.9	
Were light fixtures missing lenses, protective guards, or faceplates?	NSTM 330-2.1.4 NSTM 330-2.2.6	
Did diesel module room have adequate lighting?	GSO 331B GSO 332E	
Were spray-tight fixtures adequately protected against water intrusion?	NAVSEA 0964-000-2000	
Was bunk lighting cable hanging, or not routed through the inside of bunk stanchions?	NAVSEA 0964-000-2000	
(INSPECT) CABLIN	G	
COMPONENT/SYSTEM	PROPOSED PROCEDURE	
Was PVC cabling installed (new construction only)?	GSO 304D	
Were dead-ended cables properly identified/terminated?	NSTM 300-4.6.7 GSO 304E NSTM 300-4.6.9 DOD-STD-2003-1	
Were useless or improperly installed cables removed?	NSTM 300-4.6.7.1 GSO 304E	
Was cabling properly supported, routed or were nylon wire ties being utilized?		

(INSPECT) CABLING (CON'T)		
COMPONENT/SYSTEM	PROPOSED PROCEDURE	
Were cables pulling out of equipment?	GSO 331E	
Were cables improperly spliced?	GSO 304E NSTM 300-4.6.8 DOD-STD-2003-1	
Were cables protected against being handholds or GSO 304E being stepped on?		
Was cabling run through beams without the use of chaffing rings?	NSTM 300 TABLE 300-4-4 GSO 304E	
Was cabling running through metal partitions equipped with grommets?	GSO 304E NSTM 320-1.6.11	
Were cable stuffing tubes properly assembled?	NSTM 300-4.6.10.1 NSTM 300 TABLE 300-4-4 NSTM 320-1.6.11 GSO 304E	
Were multiple cables running through one stuffing tube?	GSO 304E NSTM 300 TAB. 300-4-4	
Were multi-cable penetrators installed in Flammable Liquid Storerooms?	GSO 304E MIL-STD-1310	
(INSPECT) BUS TRANSFER E	QUIPMENT	
COMPONENT/SYSTEM	PROPOSED PROCEDURE	
 Were ABT's installed for the following: Emergency Lighting. IC Switchboard and panels. Steering power panel. Pumps associated with the main and auxiliary machinery plant having Low Voltage Release (LVR) control. Fire pumps. Fire extinguishing auxiliaries and controls. 	NSTM 320-1.3.2 GSO 320D	
Did ASCO ABT transfer switches have an electrical charge on the metal screw on the manual operator?	NAVSEA FSC SER 03E2/03E2-234	
Was the sliding interlock on manual bus transfer switches effective at preventing both breakers from being closed at the same time?	NSTM 300-4.8.4.2	

Are feeder circuit breaker megger holes blanked off?	NAVSEA 230319ZNOV 98	
Were Normal/Alternate source indicating lights operative?	NSTM 320-2.2.6.4	
(INSPECT) SHIP TELEPHON	E SYSTEM	
COMPONENT/SYSTEM	PROPOSED PROCEDURE	
Was the system unreliable due to unresolved software or hardware deficiencies?	NSTM 430-3 GSO 432	
Test battery back-up for telephone system	NSTM 313-2.5 GSO 313J	
(INSPECT) MOTOR	S	
COMPONENT/SYSTEM	PROPOSED PROCEDURE	
Were motor foundations properly preserved?	NSTM 300- 5.4.3.10 GSO 631J	
Was resilient mounted electrical equipment groundedto the ships hull through ground straps?	NSTM 300- 2.2.1	
Did electrical rotating machinery have ball check grease fittings (zerk fittings) installed?	NSTM 244	
Were coupling, belt, or chain guards effective?	GSO 320E	
POWER PANELS	<u> </u>	
COMPONENT/SYSTEM	PROPOSED PROCEDURE	
Do labels specify the proper information?	GSO 305E	
Do Breaker ratings match the circuit label current rating?	GSO 305E	
Are multi-phase circuits missing breaker connecting handles?	GSO 324C	
Were power panels located inside galley spaces?	GSO 320E	
Is clearance provided to permit complete accessibility?	GSO 300D	
CASUALTY POWER CA	BLES	
COMPONENT/SYSTEM	PROPOSED PROCEDURE	
Were cable ends properly terminated?	GSO 304E NSTM 320-3.4.1 DOD-STD-2003	
Were cables deteriorated from age, heat, and humidity?	NSTM 079-47.4.2.2.10	
Were normally energized power terminals labeled?	NSTM 320-1-2-8-2	

Were racks properly identified as to number/length of cables assigned to the rack?	GSO 305F		
CASUALTY POWER CABLES (CON'T)			
COMPONENT/SYSTEM	PROPOSED PROCEDURE		
Is there a label attached at the end of the cable to indicate the length and stowage rack number?	GSO 305F DOD-STD-2003		
Are cable leads properly identified for phase identification?	NSTM 320-1.2.8.2		
Were cable ferrules missing or heavily oxidized?	NSTM 079-47.4.2.2.6		
Was an improper number/length of cable installed on a cable rack?	NSTM 079-47.5.6.1 GSO 320G		
Were wrenches missing from terminals?	NSTM 079-47.4.2.3.3		
Were covers installed on power terminals?	NSTM 079-47.4.2.3.4 NSTM 079-47.4.2.3.6 GSO 320G		
ELECTRICAL DISTRIBUTION EQUIPMENT			
COMPONENT/SYSTEM	PROPOSED PROCEDURE		
Was electrical distribution equipment securely mounted? Electrical distribution equipment have loose or	NSTM 300-4.3.3 GSO 300D NSTM 300-4.3.3		
missing covers?			
Were control knobs or fasteners missing from electrical equipment?	NSTM 300-4.3.3		
Was electrical equipment protected from water	NSTM 300-4.4.1		
intrusion?	NSTM 300-4.4.5		
Is electrical properly mounted or was it suspended solely by electrical cables?	NSTM 300-4.3.3		
Were 440 multipurpose outlets properly phased?	NSTM 320-1.4.1		
Did Standard Navy Receptacles (SNR) and Multi-Purpose Outlets (MPO) have an interlock switch or was the switch function such that the plug could not be removed from an energized receptacle?	NSTM 320-1.4.1		
Were electrical receptacles broken or damaged?	NSTM 300-2.7.6		
Were 400HZ AC, 60HZ AC, and DC convenience	GSO 320		

PROPOSED PROCEDURE GSO 432I NSTM 430 NSTM 430-3.2 PROPOSED PROCEDURE NSTM 330-3 NSTM 300-4 NSTM 330-2
ROPOSED PROCEDURE GSO 432I NSTM 430 NSTM 430-3.2 PROPOSED PROCEDURE NSTM 330-3 NSTM 300-4
PROPOSED PROCEDURE NSTM 330-3 NSTM 300-4
NSTM 430 NSTM 430-3.2 PROPOSED PROCEDURE NSTM 330-3 NSTM 300-4
PROPOSED PROCEDURE NSTM 330-3 NSTM 300-4
PROPOSED PROCEDURE NSTM 330-3 NSTM 300-4
PROCEDURE NSTM 330-3 NSTM 300-4
PROCEDURE NSTM 330-3 NSTM 300-4
NSTM 300-4
NSTM 330-2
NSTM 330-2
NSTM 300-4
GSO 331B/332E
ERS
PROPOSED PROCEDURE
NSTM 313-2 GSO 313F
5100.19C C0904 NSTM 313
3131/S-2
5100.19 C0904 GSOF
5100.19 GSO 313F NSTM 313

(INSPECT) BATTERY LOCKERS (CON'T)		
COMPONENT/SYSTEM	PROPOSED PROCEDURE	
Are battery storage racks greater than 12 inches between tiers?	GSO 313F	
Were battery hold-down clamps provided?	GSO 313F	
Are Acids stored in appropriate protective containers?	GSO 313F	
Are battery charger plugs and jacks marked NEG. and POS.?	GSO 313F	
(INSPECT) MISCELLANEOUS E	QUIPMENT	
COMPONENT/SYSTEM	PROPOSED PROCEDURE	
Is permanently mounted electrical equipment hardwired to the ships electrical system?	NSTM 330-1	
Is hardwired electrical equipment permanently mounted?	NSTM 330-1	
Was more than 1 multi-purpose power strip connected to one isolated receptacle circuit?	NSTM 300-2.7	
Is electrical equipment mounted on non-conducted surfaces properly grounded?	3000 / A-5	
Were Surge Protectors of the approved type? 3000 / A-41		
Are portable electric device power cords properly tinned?	3000 / Q-1R	
Are permanent-type safety precautions, operating instructions, high voltage warning signs, and resuscitation instructions installed where required?		
Did electrical connection boxes have knockouts pushed in leaving access holes In the side?		
Are non-watertight connection boxes being used in engineering spaces?	GSO 300D	
Was rubber matting oil soaked, cracked, punctured, perforated or had imbedded metal or conductive particles? GSO 6341		

(INSPECT) MISCELLANEOUS EQUIPMENT (CON'T)		
COMPONENT/SYSTEM	PROPOSED PROCEDURE	
Did dress ship lights have broken, missing, or incorrect guards?	NSTM 330-1 3000/ R2	
Were dress ship light receptacles labeled "Dress Ship		
Light Streamers. Not to be used for any other purpose"?		
	NSTM 330-1-	
Were panel switches controlling circuits that are de- energized during darkened ship operation marked DARKENED SHIP?		
	NSTM 330-1	
Had the float charge on the UPS batteries been reduced from 135vdc to 129vdc?		
	IAW PMS	
Was UPS electronic cabinet bottom sealed to prevent	GS0 300D/324D	
water of oil entry from lower level engine room?	NSTM 300-4	

ELECTRICAL (EL) POST-UNDERWAY MCM 1

	OPEN AND INSPECT AS REQUI	RED BY THE INSPECTION
CC	OMPONENT/SYSTEM	PROPOSED PROCEDURE

MAIN PROPULSION PRE-UNDERWAY PHASE MCM 1

2331	MAIN ENGINE	
Component/Sub- Component	Proposed Procedure	Accepted Procedure
Conduct DEI	US Navy Diesel Engine Inspector Handbook S9233-CJ-HBK-010	
Inspect sump level/Lube oil condition	NSTM 262.5 MRC 2331/005 R-20, R-21D, R-22D, (9250 oil with ICAS or L.O. test meter installed), R-23, R-24D, R-25D (2104 oil with ICAS or L.O. test meter installed); R-60D, R-61 (9250 oil without ICAS or L.O. test meter installed), R-62D (2104 oil without ICAS or L.O. test meter installed) (MCM 1, 2 only). MRC 2331/008 R-20, R-21D, R-22D, (9250 oil with ICAS or L.O. test meter installed), R-23, R-24D, R-25D (2104 oil with ICAS or L.O. test meter installed); R-60D, R-61 (9250 oil without ICAS or L.O. test meter installed), R-62D (2104 oil without ICAS or L.O. test meter installed), R-62D (2104 oil without ICAS or L.O. test meter installed) (MCM 9-14).	
Intake Plenum	Equip Tech Manual	
Intake Dirty Side	Equip Tech Manual	
Filters, Gaskets, and Frames	Equip Tech Manual	
Start Air Lubricator Oil Level	MRC 2331/005 W-4 (MCM 1, 2) MRC 2331/008 M-2 (MCM 3-14)	

Coolant Level	EOSS Procedure MEDA	
Zinc Anodes	MRC 2331/005 Q-1 (MCM 3-14)	
Test Prelube Pump	EOSS MEDA	
Test Jacket Water High Temp Alarm	MRC 2331/005 A-1 (MCM 1,2) MRC 2331/008 24M-3R (MCM 3- 14)	
Test Lube Oil Filter High DP Alarm	N/A MCM 1,2 MRC 2331/008 24M-3R	
Test Remote Shutdown	MRC 2331/005 Q-2 (MCM 1,2) MRC 2331/008 S-8 or S-9 (MCM 3-14)	
Test Local Shutdown	EOSS MEDA	
Test Low Lube Oil Shutdown	MRC 2331/008 S-8 or S-9 (MCM 3-14)	
Test Low Start Air Alarm	Local Procedure	
Test Local Pneumatic Start	EOSS COSM	
Test ASW Emergency Cooling	EOCC DGEO	
Test Raw Water Alarm	MRC 2331/008 S-7 (MCM 3-14)	
Test Inlet Duct Pressure	Equip Tech Manual, ISCS	
Test Lube Gallery Low Pressure Shut Down	EOP	
Check Governor and Fuel Linkage for Binding	US Navy Diesel Engine Inspector Handbook S9233-CJ-HBK-010	
2411	REDUCTION GEARS	
Component/Sub- Component	Proposed Procedure	Accepted Procedure
Sump Level	EOSS LOSRG	
Lube Oil Condition	MRC 2411/010 R-20, NSTM 262.5	
Gear Teeth	NSTM 241-4.4	
Lube Oil Spray Pattern	NSTM 241-3.2.5	
Casing Interior	NSTM 241-5.2.1, 241-6.1.1	
Oil Flow in SFI's	NSTM 241-3.4.5.2	
Temperature Gauges	METRL, CRL, CIL	

Casing Exterior	NSTM 241-4.2	
Foundation	NSTM 090-1.67	
Vent Fog Precipitator	NSTM 241-2.3.14	
Test Shaft Turning Gear	EOSS MRTG	
Test Propulsion Control Interlocks	EOSS CTTC	
Test Clutch and Brake Low	EOCC MLACL	
Pressure Alarms		

2990	LINE SHAFT BEARINGS	
Component/Sub- Component	Proposed Procedure	Accepted Procedure
Inspect/Sample lube oil	MRC 2000/001 R-1	
Inspect Sump Drain Valve	NAVSEA Dwg 810-1385953	
Inspect Seals	Equip Tech Manual, NSTM 244- 2.6.30	
Inspect Thermometers	METRL, CRL, CIL	
Inspect Lubricator	NSTM 244-3.6, .7; Equip Tech Manual	
Inspect Dip Stick	NSTM 244-2.6.7, Equip Tech Manual	
Inspect Lock Wires	EDORM 4407	
Inspect Bearing Depth Mic Surface	NSTM 244-2.6.9.1.2	

2430	STERN TUBE SEALS	
Component/Sub- Component	Proposed Procedure	Accepted Procedure
Gauges	MRC 2431/803 R-2	
Cooling Water Piping	NSTM 505-1.3.3, 1.3.7	
Cooling Water Strainer/Filter	MRC 2400/010 Q-3	
Test Cooling Water Low Flow Alarm	2400/010 S-2	
LP Air Supply	NSTM 244-6.5.6, GSO 244b.8(2)	
LP Piping/Hoses/Fittings	GSO 244b.8(2), NSTM 505-1.3.3,	

	1.3.7	
	GSO 244b.8(2)	
CO2/N2 Piping/Fitting	Bottle: MRC 2400/010 24M-3	
CO2/1\2 Fiping/Fitting	Piping and fittings MRC 2431/803	
	R-2	
	2400/010 S-3 (Other than John	
Test Inflatable Seal	Crane)	
	2400/010 S-4 (John Crane seals)	
Emanage of Elem De alsing Vit	GSO 244b.8(2), GSO 244 Table 1,	
Emergency Flax Packing Kit	Equip Tech Manual	
Dealine Dine	Equip Tech Manual, NSTM 244-	
Backing Ring	6.5.2.11	

2451	CRP/CPP			
Component/Sub-Com		mponent	Proposed Procedure	Accepted Procedure
Inspect HOPM		Equip Tech Manual		
Inspect Flex Hoses	3	MIP 5000/ 014; S6430	-AE-TED-10	
Inspect Piping		NSTM 505		
Inspect Gages		NSTM 241-3.4.5		
Inspect Flange Shi	elds	NSTM 505		
Inspect Sump Leve	el	EOSS PHOS		
Inspect Oil Condit	ion	MRC 2451/005 R-	1W	
Verify Calibration between Consoles and OD box		2451/801 R-1		
Test Slew Rate, Command 2451/801 R-1; Equi Pitch Mismatch Alarm		ip Tech Manual		
Test Emergency Pr	itch Pump	2451/801 R-1		
Inspect Attached C	CRP Pump	Equip Tech Manua 3.1, -3.5	al, NSTM 503-	
Inspect Mechanica	al Seal	MFR Tech Manual		
Test Electric CRP	Pump	2451/801 R-1, NSTM 503-3.1, - 3.5		
Inspect Motor, Pu	Inspect Motor, Pump MFR Tech Manual			
Inspect Pump, Mo	otor Driven	MFR Tech Manual		
Inspect Mechanica	al Seal	MFR Tech Manual		
Inspect Controller	, Motor	MFR Tech Manual		

2620	LUBE OIL SYSTEMS		
Component/ Compone		Proposed Procedure	Accepted Procedure
Purifier			
- Test Purifier oper	ation	NSTM 262-3.6.4.3	
- Inspect Motor, Pu	ımp	MFR Tech Manual	
- Inspect Heater		MFR Tech Manual	
- Inspect Motor Co	ntroller	MFR Tech Manual	
- Inspect Purifier		MFR Tech Manual	
Test MRG Lube Of Sequencing	il	MRC 2620/009 A-1R	
Test MRG Electric Pump	Lube Oil	Equip Tech Manual, NSTM 503-3.1, -3.5	
Test MRG Attache Pump	d Lube Oil	Equip Tech Manual, NSTM 503-3.1, -3.5	
Test /Inspect Lube Strainer Baskets an Enclosures		MFR Tech Manual	

2610	FUEL OIL SYSTEMS		
Component/Sub- Component		Proposed Procedure	Accepted Procedure
Purifier			
- Test Purifier oper	ration	Equip Tech Manual, NSTM 541- 9.15, -9.9.3 Piping: MRC 5410/802 R-18	
- Inspect Motor, Pu	ımp	MFR Tech Manual	
- Test Pump, Fuel	Oil	MFR Tech Manual	
- Inspect Motor Co	ontroller	MFR Tech Manual	
- Inspect Purifier		MFR Tech Manual	
Inspect Service Pu Controller	mp Motor	MFR Tech Manual	
Test Service Pump	S	MFR Tech Manual	
Test Fuel Oil Servi for Water	ice Tanks	MFR Tech Manual	

Test Service Tank Suction	EOSS FOAO	
Valves		
Test Service Tank Recirc	EOSS FOAO	
Valves		
Test Quick Closing Valves	EOCC MFOL	
Filters/Strainers	MRC 2610/803 R-22, EOSS	
Filters	MRC 2610/803 R-22	

2521	CONTROLS		
Component Compone		Proposed Procedure	Accepted Procedure
Test EOT Indicato	r	EOSS EOT	
Test MCC, EPCC Alarms and Indicators		EOSS CTAI	
Test ERSP Alarms Indicators	and	EOSS CTAI	
Conduct Console S (MCC, EPCC, ERS		EOSS CTAI	
Inspect Torsionom verify calibration of		Equip Tech Manual	

1130	HULL STRUCTURE		
Component Compone		Proposed Procedure	Accepted Procedure
Inspect Bilges/Ang	gle Irons	GSO	
Inspect Deck Plate	s	EOSS MLOC	
Inspect Equipment Foundations and re mounts		GSO	
Inspect Paint and F	Preservation	GSO	
Inspect Pipe Brackets/Hangers		NSTM 505-7.5	

MMGTG		
Component/Sub- Component	Proposed Procedure	Accepted Procedure
Note: Integrated Ship Control System (ISCS) Gas Turbine Generator Local Control Panel (GTGLCP) may not be installed in all ships.		
Blow-in door	MRC 4761/008 A-8	
Pedestal bearing high temp	MRC 4761/008 18M-4 (MCM 1-8), A-1 (MCM 9-14)	
Test fuel oil quick closing valve	MRC 4761/008 R-1	
Test low lube oil pressure alarm	MRC 4761/008 R-15 (ISCS GTGLCP installed), R-21 (ISCS GTGLCP not installed)	
Test fuel nozzle pressure transducer	MRC 4761/008 R-16 (ISCS GTGLCP installed), R-22 (ISCS GTGLCP not installed)	
Test low fuel oil pressure alarm	MRC 4761/008 R-17 (ISCS GTGLCP installed), R-23 (ISCS GTGLCP not installed)	
Test high lube oil temperature alarm	MRC 4761/008 R-18 (ISCS GTGLCP installed), R-24 (ISCS GTGLCP not installed)	
Test gas producer and power turbine overspeed alarms	MRC 4761/008 R-19 (ISCS GTGLCP installed), R-25 (ISCS GTGLCP not installed)	
Test turbine high temperature alarm	MRC 4761/008 R-20 (ISCS GTGLCP installed), R-27 (ISCS GTGLCP not installed)	
Test high exhaust temp alarm	MRC 4761/008 R-26 (ISCS GTGLCP not installed)	
Test gas turbine fail to start alarm	MRC 4761/008 R-28 (ISCS GTGLCP not installed)	
Clean, inspect and test variable speed controller air conditioner and filter.	MRC 4761/008 S-4 (MCM 2 only).	

MAIN PROPULSION UNDERWAY PHASE MCM 1

	TEAM AR	RRIVAL		
Component/Sub-Component		Proposed Procedure	Accepted Procedure	
Check applicable equipment				
for correction of deficiencies.				
Tour space, ensure ready for				
sea.				

DEMONSTRATIONS		
Component/Sub-Component	Proposed Procedure	Accepted Procedure
Demonstrate Full Power ahead (1 hour)	PMS/EOSS/POG/9094.1B	
Demonstrate Quick Reversal Astern	POG/Full Power Memo/EOSS	
Demonstrate Quick Reversal Ahead	POG/Full Power Memo/EOSS	
Demonstrate fuel oil purifier (s) operation	EOSS/PMS	
Demonstrate purifier (s)emergency stop capability	EOSS/PMS/Tech manual	